



# Technical Date Sheet

## Type 52-S



2/2-way solenoid valve  
NC - Valve normally closed (Standard)  
NO - Valve normally open (optional)

Direct operated Piston design. No differential pressure is necessary for operation. When energized, the valve seat is opened directly. In standard (NC) the valve closes with spring power.

■ Solenoid valve for high pressure applications up to 150 bar

Type 52-S

### TECHNICAL SPECIFICATIONS

Type of control:	Direct operated
Design:	Piston design
Connection:	Threaded G1/4 DIN ISO 228 (BSP) <i>Other connections like NPT on request</i>
Installation:	Preferable with actuator upright
Pressure range:	0 - 150 bar (see table on page 2)
Medium:	Clean, neutral, liquid or gaseous
Viscosity:	22 mm <sup>2</sup> /s
Temperature range:	Medium -40 °C bis +80 °C Ambient -40 °C bis +50 °C <i>The max.ambient temperature depends on the combined operating conditions.</i>
Body material:	Brass 2.0401 Stainless steel 1.4305 Stainless steel 1.4571
Metallic inner parts:	Brass and stainless steel
Sealing:	PTFE
Supply voltage:	AC~ 24V, 110V, 230V DC= 12V, 24V, 110V <i>Othersupply voltages on request</i>
Voltage tolerance:	-10% / +10%
Power consumption:	.032 = 11 Watt    .148 = 10 Watt .012 = 18 Watt
Protection class:	IP65 acc. to DIN EN 60529
Duty factor:	100% ED-VDE 0580
Connection type:	Plug
Ex-proof:	acc. to 2014/34/EG (ATEX)

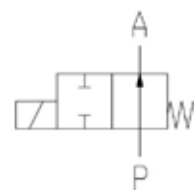
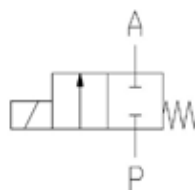
### VALVE FEATURES

- For high pressure applications up to 150 bar
- No pressure difference necessary
- High life time
- Simple compact valve design
- High-quality materials
- Reliable and sturdy sealing elements

### FUNCTION

NC - non-energized closed

NO - non-energized open



### CERTIFICATES



### ORDERING SYSTEM

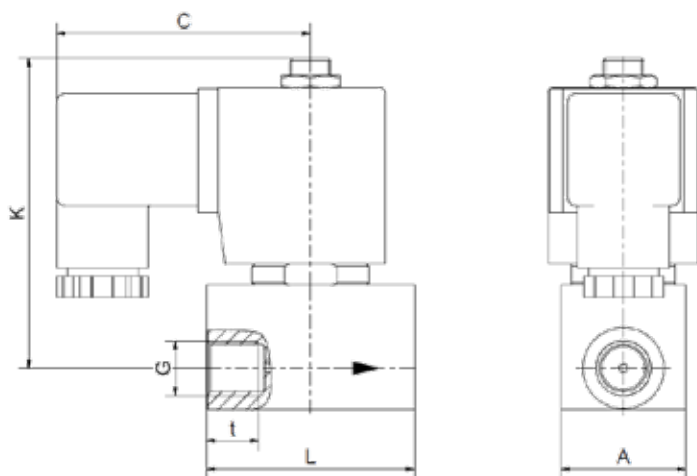
Type	Connect.	Housing	Seal	Coil	Options
. 5 2 4 0	/	0 8 0 4	/	. 0 1 2	- S
4 . G 1/4	. 0 1,0 mm	06 St. steel 1.4305	08 St. steel 1.4571	2 Standard IP65	S Special tube
. L 1,2 mm	. 1 1,5 mm	10 Brass 2.0401		8 Explosion-proof acc. to directive 2014/34/EU	
			04 PTFE		

# TECHNICAL FEATURES

Orifice mm	Kv-value m <sup>3</sup> /h	Standard type	max. pressure for coils					
			.032-S		.012-S		.148-S (ATEX)	
			NC	NO	NC	NO	NC	NO
1,0	0,06	.5240/..04/	0-150	-	0-150	0-150	0-150	0-150
1,2	0,08	.524L/..04/	0-90	-	0-130	0-130	0-60	0-90
1,5	0,09	.5241/..04/	-	-	0-120	-	-	-

Type 52-S

# DIMENSIONS



Coil	.032	.012 / .148*
G	1/4	1/4
A	30	30
C	59	61
K	75	75
L	50	50
t	12	12
kg	0,35	0,35

\* Different dimension „C“ for ATEX-coils

## Please note

Each individual application decides which valve type is required, the main factor being the resistance of the materials to the operating medium. The correct selection of materials requires knowledge of the concentration, temperature and degree of contamination of the medium. Other criteria include the operating pressure and max. volumetric flow, since, in addition to high temperatures, high pressures and high flow rates must also be taken into account when selecting the materials.

**All materials used for our valves, be it housing, seals or magnets, will be carefully selected in view of the different application areas. Any information given is non-binding and serves for orientation only. No claims under warranty can be derived therefrom.**

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